

Converting Colors

XYZ(58.5133, 73.3881, 82.1986)

Have a look what the booklet for
XYZ(58.5133, 73.3881, 82.1986)
contains.

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Color

**XYZ(58.5727, 73.5817,
82.3497)**

Conversions

Conversions Part 1

Format	Color
Hex	A1EDE1
RGB	161, 237, 225
RGB Percent	63%, 93%, 88%
CMY	0.3686, 0.0706, 0.1176
CMYK	0.32, 0.00, 0.05, 0.07
HSL	171°, 68%, 78%
HSV	171°, 32%, 93%
XYZ	58.5727, 73.5817, 82.3497
YIQ	212.9080, -41.4440, -19.8440

Conversions

Conversions Part 2

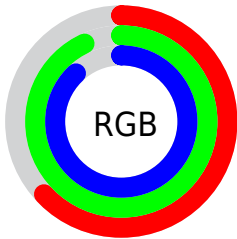
Format	Color
RYB	161, 202, 237
Decimal	10612193
CIELab	88.72, -25.91, -1.66
CIElCh	89, 25.962, 183.669
Yxy	73.5817, 0.2731, 0.3430
Android (android.graphics.Color)	4288802273 (0xFFA1EDE1)
YUV	212.9080, 5.9614, -45.5233
Hunter-Lab	85.7798, -28.2301, 3.1267

Details

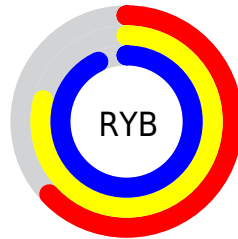
The XYZ color **58.5727, 73.5817, 82.3497** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.2153, 46.5133, 45.6058**, and the grayscale version is **63.1673, 66.4569, 72.3716**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **29.7234, 39.0142, 43.9941** is the 20% darker color. If you saturate the color by 10%, you get **53.7373, 71.1492, 79.4884**, and if you desaturate by 10%, it is **64.3288, 76.4913, 85.3157**.

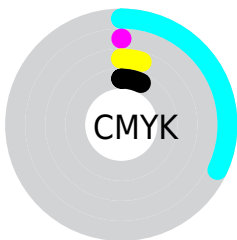
Distribution



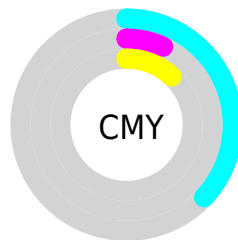
- Red (63%)
- Green (93%)
- Blue (88%)



- Red (63%)
- Yellow (79%)
- Blue (93%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)




- Cyan (37%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5727, 73.5817, 82.3497 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 58.5727, 73.5817, 82.3497 by changing the saturation by 10% instead.


 58.5727, 73.5817,
82.3497

 58.5727, 73.5817,
82.3497

409.2361,
473.0284, 522.7308

 42.5143, 54.4517,
61.1163


 101.8746,
124.3027, 138.5054

 29.6971, 38.9629,
43.8879


 129.8487,
156.6625, 174.2648

 19.7557, 26.7309,
30.2458


162.5255,
194.2010, 215.7032

 12.3248, 17.3712,
19.7716

200.2702,
237.3026, 263.2393

 7.0391, 10.4995,
12.0467

243.4483,
286.3518, 317.2916

 3.5331, 5.7314,
6.6526

292.4251,

 1.4415, 2.6824,

341.7329, 378.2786

3.1707

347.5659,
403.8303, 446.6188

0.2855, 0.9683,
1.1824

0.0000, 0.0000,
0.0000

58.5727, 73.5817,
82.3497

58.5727, 73.5817,
82.3497

53.7373, 71.1492,
79.4884

64.3288, 76.4913,
85.3157

49.7648, 69.1584,
76.7239

71.0464, 79.8934,
88.3840

46.6009, 67.5831,
74.0550

78.7719, 83.8138,
91.5586

44.1824, 66.3909,
71.4782

87.2497, 88.1207,
94.8279

■ 42.4364, 65.5440,
68.9900

■ 87.8116, 88.3454,
97.7867

■ 41.2753, 64.9975,
66.5856

■ 88.3850, 88.5748,
100.8062

■ 40.6612, 64.7213,
64.7327

■ 88.9700, 88.8088,
103.8868

■ 89.5667, 89.0475,
107.0290

■ 89.5755, 89.0510,
107.0752

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.6700, 73.5817, 65.7456



58.5727, 73.5817, 82.3497



60.3672, 73.5817, 100.8452

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.5727, 73.5817, 82.3497



76.8427, 73.5817, 112.4596



75.4275, 73.5817, 52.9642

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58.5727, 73.5817, 82.3497



55.2153, 46.5133, 45.6058

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4686, 73.5817, 62.4452



58.5727, 73.5817, 82.3497



81.3194, 73.5817, 96.4457

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.5727, 73.5817, 82.3497



70.7122, 73.5817, 119.7922



82.6841, 73.5817, 77.9269



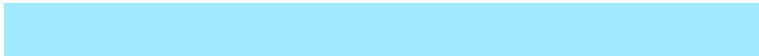
69.1679, 73.5817, 50.3414

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.5727, 73.5817, 82.3497



63.0288, 73.5817, 111.3088



82.6841, 73.5817, 77.9269



77.3328, 73.5817, 55.3771

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



58.5748, 73.5847, 82.3514



85.6412, 95.2237, 105.1106



54.1008, 72.1051, 44.7857



18.0687, 20.2489, 22.3862



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.5748, 73.5847, 82.3514



65.5634, 85.0725, 95.1671



53.4464, 60.6145, 89.0071



15.4095, 17.0786, 18.8393



22.2391, 35.3501, 35.5535



1.7738, 2.7868, 2.9364

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55.2153, 46.5133, 45.6058



61.0658, 48.7806, 45.9372



58.9897, 55.8384, 41.3883



15.1625, 15.0928, 16.1408



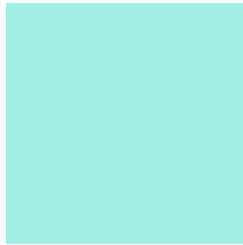
19.2846, 9.9165, 2.0338



1.5436, 0.7904, 0.3141

Previews

White Background



This preview shows how the XYZ color 58.5727, 73.5817, 82.3497 looks on a white background.

Color Contrast Check

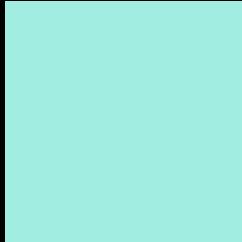
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 58.5727, 73.5817, 82.3497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

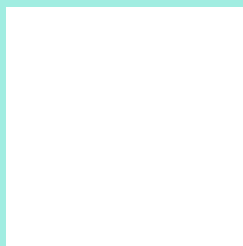
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5727, 73.5817, 82.3497

Background



This preview shows how black text looks on a background with the XYZ color 58.5727, 73.5817, 82.3497.

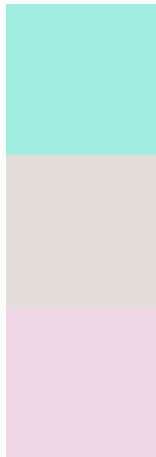


This preview shows how white text looks on a background with the XYZ color 58.5727, 73.5817,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

58.5727, 73.5817, 82.3497

Protanopia

69.9297, 73.0017, 75.3708

Deuteranopia

74.5185, 72.8393, 84.9948



Tritanopia

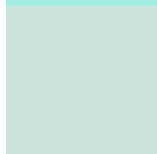
62.6460, 73.5216, 102.9848

Trichromacy



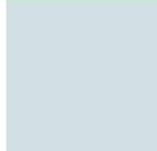
Original Color

58.5727, 73.5817, 82.3497



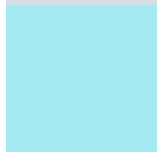
Protanomaly

64.8839, 72.7492, 77.6401



Deuteranomaly

67.2552, 72.2257, 83.7950



Tritanomaly

60.9669, 73.2558, 94.9309

Monochromacy



Original Color

58.5727, 73.5817, 82.3497



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

60.8938, 68.7216, 75.7008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5727, 73.5817, 82.3497 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(161, 237, 225)` looks like.

```
.text, #text, p{  
    color:rgb(161, 237, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(161, 237, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 237, 225) }
```

Border

The CSS property to change the border of an element to XYZ 58.5727, 73.5817, 82.3497 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 237, 225) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(161, 237, 225) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(161, 237, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 237, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 237, 225);  
box-shadow:4px 4px 4px 4px rgb(161, 237,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5727, 73.5817, 82.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 237, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(161,  
237, 225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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